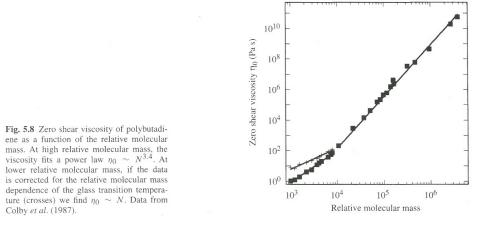
Zero shear viscosity



Self-diffusion coefficient

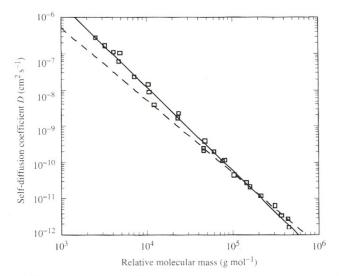


Fig. 5.10 Self-diffusion coefficients of hydrogenated polybutadiene as a function of relative molecular mass. The dashed line is the prediction of the simple reptation theory that $D_{self} \sim N^{-2}$, while the solid line is the best-fit power law, $D_{self} \sim N^{-2.30}$. Data from a number of authors, cited in Lodge (1999).

[from Jones 2002]